Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection
Division for Air Quality
200 Fair Oaks Lane, 1st Floor
Frankfort, Kentucky 40601
(502) 564-3999

Proposed

AIR QUALITY PERMIT

Issued under 401 KAR 52:020

Permittee Name:	**Owensboro Grain Company, LLC**
Mailing Address:	**P.O. Box 1787, Owensboro, Kentucky 42302**
Source Name:	**Owensboro Grain Company, LLC**
Mailing Address:	**Same as Above**
Source Location:	**719 East Second Street, Owensboro, Kentucky**
Permit:	**V-08-006**
Agency Interest:	**938**
Activity:	**APE20050004**
Review Type:	**Title V, Construction / Operating**
Source ID:	**21-059-00039**
Regional Office:	**Owensboro Regional Office** **3032 Alvey Park Drive W., Suite 700** **Owensboro, KY 42303-2191** **(270) 687-7304**
County:	**Daviess**
Application Complete Date:	**April 13, 2000**
Issuance Date:	**October 2, 2008**
Expiration Date:	**October 2, 2013**

E-signed by John S. Lyons

John S. Lyons, Director
Division for Air Quality

Revised 05/07/07

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (EP1) Meal Dryer (Crown)
Maximum Rated Capacity- 115 tons/hour
Date of Installation: March 1990
Control Equipment: Four (4) Cyclones (Kice CK-96)

(EP1) Meal Cooler (Crown)
Maximum Rated Capacity- 115 tons/hour
Date of Installation: March 1990
Control Equipment: Cyclone (Kice CK-96)

(EP36) Fluidized Bed Dryer (Escher Wyss)
Maximum Rated Capacity- 170 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-8

02 (EP12) Meal Bin Vents
Maximum Rated Capacity- 200 tons/hour
Date of Installation: August 1981
Control Equipment: Fabric Filter

03 (EP13) Meal Bin Vents
Maximum Rated Capacity- 200 tons/hour
Date of Installation: August 1981
Control Equipment: Fabric Filter

04 (EP25) Primary Aspirator (Kice)
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(EP25) Primary Aspirator (Kice)
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(EP25) Primary Aspirator (Kice)
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(EP25) Primary Aspirator (Kice)
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 **(EP25)** **Primary Aspirator (Kice)**
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(EP25) **Primary Aspirator (Kice)**
Maximum Rated Capacity- 175 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

05 **(EP27)** **Secondary Aspirator**
Maximum Rated Capacity- 5 tons/hour
Date of Installation: February 1987
Control Equipment: Fabric Filter

(EP27) **Secondary Aspirator**
Maximum Rated Capacity- 5 tons/hour
Date of Installation: February 1987
Control Equipment: Fabric Filter

(EP27) **Secondary Aspirator**
Maximum Rated Capacity- 5 tons/hour
Date of Installation: February 1987
Control Equipment: Fabric Filter

(EP27) **Secondary Aspirator**
Maximum Rated Capacity- 5 tons/hour
Date of Installation: February 1987
Control Equipment: Fabric Filter

06 **(EP5, EP49 EP53, EP58 EP61, EP62)** **EP5-Headhouse and Internal Handling (legs, belts, scales, etc.) EP49- Dirt Convey System, EP53- Barge Loadout Scale of Meal, EP58 Meal Conveying to Loadout, EP61- Transfer to Hull Bin, and EP62- Meal Conveying from Scale to Barge**
Maximum Rated Capacity- EP5- 175 tons/hour, EP49- 0.1 tons/hour, EP53- 500 tons/hour, EP58- 500 tons/hour, EP61- 50 tons/hour, EP62- 500 tons/hour)
Date of Installation: EP5- 1982, EP49- November 1989, EP53- April 1992, EP58- 1992, EP61- February 1987, EP62- April 1992
Control Equipment: EP5- Baghouse, EP49- PCS 5 Fabric Filter, EP53- DC 8 Fabric Filter, EP58- DC-7 Fabric Filter, EP61- Baghouse, EP62- DC Fabric Filter (on Pier)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 **(-)** **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Cracking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(EP28) **Bean Conditioner (Escher Wyss)**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-8

08 **(-)** **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

08 **(-)** **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

(-) **Impactor**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-14

09 **(-)** **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

09 **(-)** **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-44

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

(-) **Flaking Mill**
Maximum Rated Capacity- 150 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone P-45

10 **(EP42)** **Hammermill (Pod Grinder)**
Maximum Rated Capacity- 0.2 tons/hour
Date of Installation: May 1995
Control Equipment: Cyclone

11 **(EP43)** **Hull Grinder**
Maximum Rated Capacity- 10.5 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

11 (EP43) Hull Grinder
Maximum Rated Capacity- 10.5 tons/hour
Date of Installation: February 1987
Control Equipment: Cyclone

12 (-) Hull Sifter
Maximum Rated Capacity- 10.5 tons/hour
Date of Installation: May 1995
Control Equipment: Cyclone

(-) Hull Sifter
Maximum Rated Capacity- 10.5 tons/hour
Date of Installation: May 1995
Control Equipment: Cyclone

13 (EP46) Meal Grinder (Champion)
Maximum Rated Capacity- 115 tons/hour
Date of Installation: February 1987
Control Equipment: DC M-17.1 Fabric Filter

(EP46) Meal Grinder (Champion)
Maximum Rated Capacity- 115 tons/hour
Date of Installation: February 1987
Control Equipment: DC M-17.1 Fabric Filter

(EP46) Meal Grinder (Champion)
Maximum Rated Capacity- 115 tons/hour
Date of Installation: February 1987
Control Equipment: DC M-17.1 Fabric Filter

14 (EP47) North Cooling Table
Maximum Rated Capacity- 140 tons/hour
Date of Installation: June 1989
Control Equipment: Cyclone

15 (EP48) South Cooling Table
Maximum Rated Capacity- 140 tons/hour
Date of Installation: June 1989
Control Equipment: Cyclone

16 (EP54) Barge Loadout of Meal
Maximum Rated Capacity- 500 tons/hour
Date of Installation: April 1992
Control Equipment: DC Fabric Filter (on Pier)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

17 (EP59) Truck Loadout of Meal
Maximum Rated Capacity- 500 tons/hour
Date of Installation: 1992
Control Equipment: DC-2 Fabric Filter

18 (EP60) Backup Truck Loadout of Meal
Maximum Rated Capacity- 500 tons/hour
Date of Installation: 1992
Control Equipment: DC-5 Fabric Filter

19 (EP63) Pellet Cooler (California Pellet Mill)
Maximum Rated Capacity- 45 tons/hour
Date of Installation: 1989
Control Equipment: Two Parallel Cyclones

ADDITIONS:

48 (EP64) Truck Loadout (meal and pellet)
Maximum Rated Capacity- 500 tons/hour
Date of Installation: December 2006
Control Equipment: Baghouse

(EP65) Meal Bin Vents
Maximum Rated Capacity-300 tons/hour
Date of Installation: December 2006
Control Equipment: Baghouse

(-) Meal Storage Tank (4000 tons capacity)
Maximum Rated Capacity-175 tons/hour
Date of Installation: July 1997
Control Equipment: Baghouse

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applies to each of the affected facilities listed above.

1. Operating Limitations:

N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

a. Pursuant to Regulation 401 KAR 59:010, Section 3(2), the emissions of particulate matter for each respective emission point shall not exceed the allowable rate limit as calculated by one of the following equations using the process weight rate (in units of tons/hr).

For process rates up to 60,000 lbs/hr: $E = 3.59P^{0.62}$

For process rates in excess of 60,000 lbs/hr: $E = 17.31P^{0.16}$

For the equation, E = rate of emission in lbs/hr and P = process weight rate in tons/hr

1. Combined emissions of particulate matter from the Meal Dryer [emission point 01 (EP1)] shall not exceed 36.98 lbs/hr.

2. Combined emissions of particulate matter from the Meal Cooler [emission point 01 (EP1)] shall not exceed 36.98 lbs/hr.

3. Combined emissions of particulate matter from the Fluidized Bed Dryer [emission point 01 (EP36)] shall not exceed 39.37 lbs/hr.

4. Combined emissions of particulate matter from the Meal Bin Vents [emission point 02 (EP12)] shall not exceed 40.41 lbs/hr.

5. Combined emissions of particulate matter from the Meal Bin Vents [emission point 03 (EP13)] shall not exceed 40.41 lbs/hr.

6. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

7. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

8. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

9. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

10. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

11. Combined emissions of particulate matter from the Primary Aspirator [emission point 04 (EP25)] shall not exceed 39.55 lbs/hr.

12. Combined emissions of particulate matter from the Secondary Aspirator [emission point 05 (EP27)] shall not exceed 9.74 lbs/hr.

13. Combined emissions of particulate matter from the Secondary Aspirator [emission point 05 (EP27)] shall not exceed 9.74 lbs/hr.

14. Combined emissions of particulate matter from the Secondary Aspirator [emission point 05 (EP27)] shall not exceed 9.74 lbs/hr.

15. Combined emissions of particulate matter from the Secondary Aspirator [emission point 05 (EP27)] shall not exceed 9.74 lbs/hr.

16. Combined emissions of particulate matter from the Headhouse and Internal Handling [emission point 06 (EP5, 49, 53, 58, 61, & 62)] shall not exceed 46.79 lbs/hr.

17. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

18. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

19. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

20. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

21. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

22. Combined emissions of particulate matter from the Cracking Mill [emission point 07 (-)] shall not exceed 38.59 lbs/hr.

23. Combined emissions of particulate matter from the Bean Conditioner [emission point 07 (EP28)] shall not exceed 38.59 lbs/hr.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

24. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

25. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

25. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

26. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

27. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

28. Combined emissions of particulate matter from the Impactor [emission point 08 (-)] shall not exceed 38.59 lbs/hr.

29. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

30. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

31. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

32. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

33. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

34. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

35. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

36. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

37. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

38. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

39. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

40. Combined emissions of particulate matter from the Flaking Mill [emission point 09 (-)] shall not exceed 38.59 lbs/hr.

41. Combined emissions of particulate matter from the Hammermill [emission point 10 (EP42)] shall not exceed 1.32 lbs/hr.

42. Combined emissions of particulate matter from the Hull Grinder [emission point 011 (EP43)] shall not exceed 15.43 lbs/hr.

43. Combined emissions of particulate matter from the Hull Grinder [emission point 011 (EP43)] shall not exceed 15.43 lbs/hr.

44. Combined emissions of particulate matter from the Hull Sifter [emission point 012 (-)] shall not exceed 15.43 lbs/hr.

45. Combined emissions of particulate matter from the Hull Sifter [emission point 012 (-)] shall not exceed 15.43 lbs/hr.

46. Combined emissions of particulate matter from the Meal Grinder [emission point 013 (EP46)] shall not exceed 36.98 lbs/hr.

47. Combined emissions of particulate matter from the Meal Grinder [emission point 013 (EP46)] shall not exceed 36.98 lbs/hr.

48. Combined emissions of particulate matter from the Meal Grinder [emission point 013 (EP46)] shall not exceed 36.98 lbs/hr.

49. Combined emissions of particulate matter from the North Cooling Table [emission point 014 (EP47)] shall not exceed 38.17 lbs/hr.

50. Combined emissions of particulate matter from the South Cooling Table [emission point 015 (EP48)] shall not exceed 38.17 lbs/hr.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

51. Combined emissions of particulate matter from the Barge Loadout of Meal [emission point 016 (EP54)] shall not exceed 46.79 lbs/hr.

52. Combined emissions of particulate matter from the Truck Loadout of Meal [emission point 017 (EP59)] shall not exceed 46.79 lbs/hr.

53. Combined emissions of particulate matter from the Backup Truck Loadout of Meal [emission point 018 (EP60)] shall not exceed 46.79 lbs/hr.

53. Combined emissions of particulate matter from the Pellet Cooler [emission point 019 (EP63)] shall not exceed 31.83 lbs/hr.

54. Combined emissions of particulate matter from the Truck Loadout (meal) [emission point 048 (EP64)] shall not exceed 46.79 lbs/hr.

56. Combined emissions of particulate matter from the Meal Bin Vents [emission point 048 (EP65)] shall not exceed 43.12 lbs/hr.

57. Combined emissions of particulate matter from the Meal Storage Tank [emission point 048 (-)] shall not exceed 39.55 lbs/hr.

b. Pursuant to Regulation 401 KAR 59:010, Section 3(1), opacity of visible emissions from each affected facility listed above shall not exceed twenty percent (20%).

Compliance Demonstration Method:

a. Compliance with the hourly particulate emission limit shall be determined as follows:

Hourly Particulate Emission Rate =

[Monthly processing rate x Emission Factor as determined from the latest stack test / (Hours of operation per month)]

b. EPA Reference Method 9 shall be used to determine opacity upon startup and shall be performed more often upon the Division's request. Compliance with the opacity standard shall be maintained by a weekly qualitative observation of visible emissions during daylight hours.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements (continued):

a. Pursuant to State Regulations 401 KAR 50:055, General compliance requirements; 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing in accordance with EPA Method 5 or Method 17 for particulate matter using the Reference Methods specified in State Regulation 401 KAR 50:015 shall be conducted as required by the Division.

b. See 40 CFR 60.303 for testing requirements for measuring PM/PM_{10} emissions.

4. Specific Monitoring Requirements:

a. Weekly observations are required during daylight hours of all operations, control equipment to see if any visible emissions are present. If visible emissions are observed, the permittee shall perform Method 9 observations.

b. See Section F, Condition 2.

5. Specific Recordkeeping Requirements:

a. Records of opacity monitoring data, including weekly observations, and support information shall be kept in accordance with the provisions of Section F, Condition 2.

b. A log shall be kept of all routine and non-routine maintenance performed on each control device.

c. See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, 10 and 11.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

20 (EP4) Bean Cleaning (Rotex Oilseed Cleaning in West Elevator)
Maximum Rated Capacity- 49 tons/hour
Date of Installation: April 1981
Control Equipment: Blue Collector Fabric Filter

21 (EP15) Barge Receiving
Maximum Rated Capacity- 350 tons/hour
Date of Installation: February 1992
Control Equipment: DC Fabric Filter (Neuro Model No. FA-70-190-F)

22 (EP24) Whole Bean Surge Bin
Maximum Rated Capacity- 170 tons/hour
Date of Installation: February 1987
Control Equipment: Secondary Baghouse

23 (EP6 EP20, EP21, EP40) Headhouse and Internal Handling (legs, belts, scale, etc.)
EP6- Conveying from East to West, EP20- To New Bean Cleaning, EP21- To New Bean Cleaning, EP40-Screenings Transfer to Surge Bin
EP6- 175 tons/hour, EP20- 182 tons/hour, EP21- 182 tons/hour, EP40- 50 tons/hour,
Date of Installation: EP6- 1982, EP20- May 1995, EP21- May 1995, EP 40- May 1995
Control Equipment: EP6- Baghouse, EP20- Baghouse, EP21- Baghouse, EP40- DC 1 Fabric Filter

24 (EP55) Oilseed Cleaner (Megatex (BC-1))
Maximum Rated Capacity- 210 tons/hour
Date of Installation: May 1995
Control Equipment: DC D-1 Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 60:005, Standards of performance for new stationary sources, which incorporates by reference 40 CFR 60.300 (40 CFR 60 Subpart DD - Standards of Performance for Grain Elevators), applies to each of the affected facilities listed above.

1. Operating Limitations:

Pursuant to Regulation 40 CFR 60, Subpart DD, Section 60.302(d), the owner or operator of any barge or ship unloading station shall operate as follows:

(1) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

1. Emission Limitations (continued):

(2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40ft^3/bu).
(3) Rather than meet the requirements of paragraphs (d)(1) and (2) of this section the owner or operator may use other methods of emission control if it is demonstrated to the Administrator's satisfaction that they would reduce emissions of particulate matter to the same level or less.

2. Emission Limitations:

Pursuant to Regulation 40 CFR 60, Subpart DD, Section 60.302(c), no owner or operator of an affected facility shall cause to be discharged into the atmosphere any fugitive emissions from:

(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.
(2) Any grain handling operation which exhibits greater than 0 percent opacity.

(3) Any truck loading station which exhibits greater than 10 percent opacity.
(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

Compliance Demonstration Method:

For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:

See 40 CFR 60.303 for compliance test methods.

Pursuant to Regulation 40 CFR 60, Subpart DD, Section 60.302(b), on or after the date the performance test in completed, no owner or operator shall cause to be discharged into the atmosphere from any affected facility any process emission which:

(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).
(2) Exhibits greater than 0 percent opacity.

a. Compliance with hourly emission limit shall be determined as follows:

Emissions in g/dscm = [(Monthly throughput in tons X Emission Factor from AP-42 or the most recent stack test in lb/ton) / (Monthly hours of operation X flow rate of the stack)] X 7000

* If an Emission Factor other than that taken from AP-42 is used, documentation on how that Emission Factor was derived must be submitted to the Division's Central Office for approval.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

Compliance Demonstration Method (continued):

b. In determining compliance with the opacity standards as listed above, the owner or operator shall use Method 9 and the procedures as described in 40 CFR 60.11.

3. Testing Requirements:

Pursuant to State Regulations 401 KAR 50:055, General compliance requirements; 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing in accordance with EPA Method 5 or Method 17 for particulate matter using the Reference Methods specified in State Regulation 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:

a. Weekly observations are required during daylight hours of all operations, control equipment to see if any visible emissions are present. If visible emissions are observed, the permittee shall perform Method 9 observations.

b. See Section F, Condition 2.

5. Specific Recordkeeping Requirements:

a. Records of opacity monitoring data, including weekly observations, and support information shall be kept in accordance with the provisions of Section F, Condition 2.

b. A log shall be kept of all routine and non-routine maintenance performed on each control device.

c. See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, 10 and 11.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

25 (EP2, EP30) Headhouse and Internal Handling (legs, belts, distributor, scale, etc.) (EP2- East Elevator Internal Handling, EP30 Conveying from Flakers,
Maximum Rated Capacity- EP2- 175 tons/hour, EP30- 360 tons/hour
Date of Installation: EP2- 1969, EP30- July 1969
Control Equipment: EP2- DC Fabric Filter (in Alley), EP30- Cyclones

26 (EP10) Pellet Bin Vents
Maximum Rated Capacity- 200 tons/hour
Date of Installation: July 1969
Control Equipment: Fabric Filter

27 (EP11) Meal Bin Vents
Maximum Rated Capacity- 200 tons/hour
Date of Installation: July 1969
Control Equipment: Fabric Filter

28 (EP14) West Elevator Truck Dump
Maximum Rated Capacity- 300 tons/hour
Date of Installation: July 1969
Control Equipment: DC 34 Fabric Filter

29 (EP16) West Elevator Bin Vents (Concrete Bin)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) West Elevator Bin Vents (Concrete Bin)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) West Elevator Bin Vents (Concrete Bin)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) West Elevator Bin Vents (Concrete Bin)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) West Elevator Bin Vents (Concrete Bin)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

29 (EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

(EP16) **West Elevator Bin Vents (Concrete Bin)**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: DC 36 Fabric Filter

30 (EP19) **Meal Loadout to Railcar**
Maximum Rated Capacity- 500 tons/hour
Date of Installation: July 1969
Control Equipment: DC Fabric Filter

31 (EP29) **East Elevator Truck Dump**
Maximum Rated Capacity- 224 tons/hour
Date of Installation: July 1969
Control Equipment: #8 Collector Fabric Filter

32 (EP36) **Hull Bin Vents**
Maximum Rated Capacity- 45 tons/hour
Date of Installation: July 1969
Control Equipment: Fabric Filter

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

APPLICABLE REGULATIONS:

State Regulation 401 KAR 61:020, Existing process operations.

1. Operating Limitations:

N/A

2. Emission Limitations:

a. Pursuant to Regulation 401 KAR 61:020, Section 3(2)(a):

1. Combined emissions of particulate matter from the Headhouse and Internal Handling (Emission Point 25 (EP2 and EP30)) shall not exceed 65.09 lbs/hr.

2. Combined emissions of particulate matter from the Pellet Bin Vents (Emission Point 26 (EP10)) shall not exceed 58.51 lbs/hr.

3. Combined emissions of particulate matter from the Meal Bin Vents (Emission Point 27 (EP11)) shall not exceed 58.51 lbs/hr.

4. Combined emissions of particulate matter from the West Elevator Truck Dump (Emission Point 28 (EP14)) shall not exceed 63.00 lbs/hr.

5. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

6. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

7. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

8. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

9. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

10. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

11. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

12. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

13. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

14. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

15. Combined emissions of particulate matter from the West Elevator Bin Vents (Concrete) (Emission Point 29 (EP16)) shall not exceed 57.49 lbs/hr.

16. Combined emissions of particulate matter from the Meal Loadout to Railcars (Emission Point 30 (EP19)) shall not exceed 68.96 lbs/hr.

17. Combined emissions of particulate matter from the East Elevator Truck Dump (Emission Point 31 (EP29)) shall not exceed 59.75 lbs/hr.

18. Combined emissions of particulate matter from the Hull Bin Vents (Emission Point 32 (EP36)) shall not exceed 43.60 lbs/hr.

The emission limits above are determined by the following equations using the process weight rate (in units of tons/hr).

For process rates up to 60,000 lbs/hr: $E = 4.10\ P^{0.67}$
For process rates in excess of 60,000 lbs/hr: $E = 55.0\ P^{0.11} - 40$

For the equation E = rate of emission in lb/hr and P = process weight rate in tons/hour

b. Pursuant to Regulation 401 KAR 61:020, Section 3(1), the opacity of visible emissions from each affected facility shall not equal or exceed forty percent (40%).

Compliance Demonstration Method:

a. Compliance with hourly emission limit shall be determined as follows:

Hourly Emission Rate = [Monthly processing rate x Emission Factor as determined from AP-42 * / (Hours of operation per month)] x (1 – control efficiency)

* If an Emission Factor other than that taken from AP-42 is used, documentation on how that Emission Factor was derived must be submitted to the Division's Central Office for approval.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

Compliance Demonstration Method (continued):

b. EPA Reference Method 9 shall be used to determine opacity upon startup and shall be performed more often upon the Division's request. Compliance with the opacity standard shall be maintained by a weekly qualitative observation of visible emissions during daylight hours.

3. Testing Requirements:

Pursuant to State Regulations 401 KAR 50:055, General compliance requirements; 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing in accordance with EPA Method 5 or Method 17 for particulate matter using the Reference Methods specified in State Regulation 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:

a. Weekly observations are required during daylight hours of all operations, control equipment to see if any visible emissions are present. If visible emissions are observed, the permittee shall perform Method 9 observations.

b. See Section F, Condition 2.

5. Specific Recordkeeping Requirements:

a. Records of opacity monitoring data, including weekly observations, and support information shall be kept in accordance with the provisions of Section F, Condition 2.

b. A log shall be kept of all routine and non-routine maintenance performed on each control device.

c. See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, 10 and 11.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

33 (EP33) Coal Truck Receiving
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Screw Conveyor
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Leg 1
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Crusher
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Screen
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Screw Conveyor
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Leg 2
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Storage Silo
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) Coal Reclaim Conveyor
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

33 **(EP33)** **Coal Leg 3**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Reclaim Conveyor**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Screw Conveyor**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Screw Conveyor**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Storage Bin**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Spout To Boiler**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Ash Mixer**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Ash Conveyor**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

(EP33) **Coal Truck Loadout (Ash)**
Maximum Rated Capacity- 50 tons/hour
Date of Installation: August 1981
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

APPLICABLE REGULATIONS:

State Regulation 401 KAR 60:005, Standards of performance for new stationary sources, which incorporates by reference 40 CFR 60.250 (40 CFR 60 Subpart Y), applies to each of the affected facilities listed above

1. Operating Limitations:

By a permit condition in permit O-83-137, the annual usage of coal shall not exceed 47,000 tons per year.

Compliance Demonstration Method:

For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:

The permittee shall monitor and record the monthly coal usage and shall not burn more than 47,000 tons of coal during any consecutive 12 month period.

2. Emission Limitations:

Fugitive emissions from the ten conveyors and transfer points, emission points 33 (EP33), (EP33), (EP33), (EP33), (EP33), (EP33), (EP33), (EP33), (EP33), and (EP33); the two loadouts, emission points 33 (EP33) and (EP33); the two storage bins, emission points 33 (EP33) and (EP33); the crusher , emission point 33(EP33); the screen, emission point 33 (EP33); the ash mixer, emission point 33 (EP33), and the truck receiving, emission point 33 (EP33), shall not exhibit greater than twenty percent (20%) opacity, each, as specified in 40 CFR 60.252 (c)(1) and (2).

Compliance Demonstration Method:

a. In determining compliance with the opacity standards as listed above, the owner or operator shall use Method 9 and the procedures as described in 40 CFR 60.11 and 40 CFR 60.254(b)(2).

b. Pursuant to State Regulation 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation in accordance with the manufacture's specifications and/or standard operating procedures at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1. The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the emission points are in operation but the associated control equipment is not.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

N/A

4. Specific Monitoring Requirements:

a. Weekly observations are required during daylight hours of all operations, control equipment to see if any visible emissions are present. If visible emissions are observed, the permittee shall perform Method 9 observations.

b. See Section F, Condition 2.

5. Specific Recordkeeping Requirements:

a. Records of opacity monitoring data, including weekly observations, and support information shall be kept in accordance with the provisions of Section F, Condition 2.

b. A log shall be kept of all routine and non-routine maintenance performed on each control device.

c. See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, and 10.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

34 (EP3) Truck Loading
Maximum Rated Capacity- 300 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

35 (EP7) Railcar Receiving
Maximum Rated Capacity- 62 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

36 (EP8) Haul Road and Yard Area (Paved)
Maximum Rated Capacity- 524 tons/hour
Date of Installation: July 1969
Control Equipment: Water Sprays

37 (EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

37 **(EP9)** **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) **East Elevator Bin Vents**
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

37 (EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP9) East Elevator Bin Vents
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

38 (EP17) West Elevator Bin Vents (Steel Vents)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP17) West Elevator Bin Vents (Steel Vents)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP17) West Elevator Bin Vents (Steel Vents)
Maximum Rated Capacity- 182 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

39 (EP18) Flat Storage (grain or meal)
Maximum Rated Capacity - 150 tons/hour
Date of Installation: July 1969
Control Equipment: Enclosed

(EP60) Storage Tank (1.351 million bushels)
Maximum Rated Capacity - 750 tons/hour
Date of Installation: July 1997
Control Equipment: Enclosed

40 (EP26) Carter Day Column Dryer (Natural Gas, 25.75 mmBtu)
Maximum Rated Capacity- 90 tons/hour of beans and 0.025 $10^6 ft^3$/hr of gas
Date of Installation: July 1969
Control Equipment: None

41 (EP34) Expander
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

41 **(EP34)** **Expander**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

(EP34) **Expander**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

42 **(EP34)** **Expander**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

(EP34) **Expander**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

(EP34) **Expander**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: June, 1989
Control Equipment: Enclosed

43 **(EP37)** **Grain Dryer (Berico)**
Maximum Rated Capacity- 180 tons/hour
Date of Installation: August 1984
Control Equipment: Enclosed

44 **(EP38)** **Bentonite Bin Vent**
Maximum Rated Capacity- 10 tons/hour
Date of Installation: June 1982
Control Equipment: Enclosed

(EP38) **Bentonite Bin Vent**
Maximum Rated Capacity- 10 tons/hour
Date of Installation: June 1982
Control Equipment: Enclosed

(EP38) **Bentonite Bin Vent**
Maximum Rated Capacity- 10 tons/hour
Date of Installation: June 1982
Control Equipment: Enclosed

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

44 (EP38) Bentonite Bin Vent
Maximum Rated Capacity- 10 tons/hour
Date of Installation: June 1982
Control Equipment: Enclosed

45 (EP41) Screenings Aspirator
Maximum Rated Capacity- 10.5 tons/hour
Date of Installation: May 1995
Control Equipment: Enclosed

APPLICABLE REGULATIONS:

40 CFR 60 Subpart DD – Standards of Performance for Grain Elevators, applies to points constructed after August 3, 1978, only.

State Regulation 401 KAR 63:010, Fugitive emissions.

1. Operating Limitations:

N/A

2. Emission Limitations:

a. Pursuant to Regulation 40 CFR 60, Subpart DD, Section 60.302(c), no owner or operator shall cause to be discharged into the atmosphere any fugitive emissions from:

(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.
(2) Any grain handling operation which exhibits greater than 0 percent opacity.
(3) Any truck loading station which exhibits greater than 10 percent opacity.
(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

b. The materials processed at each affected facility listed above shall be controlled with enclosures, and/or dust collection equipment so as to comply with the requirements specified in Regulation 401 KAR 63:010, Fugitive emissions, Section 3. Standards for fugitive emissions.

c. Pursuant to Regulation 401 KAR 63:010, Section 3 (1), no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored; a building or its appurtenances to be constructed, altered, repaired, or demolished, or a road to be used without taking reasonable precaution to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations: (continued)

c. 1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
2. Application and maintenance of asphalt, oil, water, or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling. Adequate containment methods shall be employed during sandblasting or other similar operations.

d. Pursuant to Regulation 401 KAR 63:010, Section 3 (2), no person shall cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate.

e. Pursuant to Regulation 401 KAR 63:010, Section 3 (3), when dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance or to violate any administrative regulation, the Secretary may order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that all air and gases and air or air-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.

Compliance Demonstration Method:

For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:

Pursuant to State Regulation 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation in accordance with the manufacture's specifications and/or standard operating procedures at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1. The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the emission points are in operation but the associated control equipment is not.

See 40 CFR 60.303 for compliance test methods.

3. Testing Requirements:

N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

a. Weekly observations are required during daylight hours of all operations, control equipment to see if any visible emissions are present. If visible emissions are observed, the permittee shall perform Method 9 observations.

b. See Section F, Condition 2.

5. Specific Recordkeeping Requirements:

a. Records of opacity monitoring data, including weekly observations, and support information shall be kept in accordance with the provisions of Section F, Condition 2.

b. A log shall be kept of all routine and non-routine maintenance performed on each control device.

c. See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, and 10.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

46 (EP32) Coal Fired Boiler (Henry Vogt Class VS)
Maximum Rated Capacity- 130.5 mmBTU/hr
Date of Installation: August 1981
Date of Modification: September 2008
Control Equipment: DC Fabric Filter
Primary Fuel: Coal
Secondary Fuel: N/A

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBtu/hour and commenced on or after April 9, 1972.
401 KAR 51:017, Prevention of significant deterioration of air quality.

1. Operating Limitations:

a. By a permit condition in permit O-83-137, the annual usage of coal shall not exceed 47,000 tons per year.

Compliance Demonstration Method:

b. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:

1. The permittee shall monitor and record the monthly coal usage and shall not burn more than 47,000 tons of coal during any consecutive 12 month period.

2. Emission Limitations:

See Section D.

a. Pursuant to Regulation 401 KAR 59:015, Section 4(1)(c) and Section 4(2)(b) and (c), no owner or operator of an affected facility shall cause to be discharged into the atmosphere from that affected facility, particulate matter in excess of that specified below:

1. Emissions of particulate matter from the boiler (Emission Point 46 (EP32)) shall not exceed 0.31 lbs/mmBTU.

2. Emissions which exhibit greater than 20 percent opacity except:

i. That, for indirect heat exchangers with heat input capacity of less than 250 million BTU per hour, a maximum of 40 percent opacity shall be permissible for not more than 6 consecutive minutes in any 60 consecutive minutes during cleaning the fire box or blowing soot.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations: (continued)

ii. For emissions from an indirect heat exchanger during building a new fire for the period required to bring the boiler up to operating conditions provided the method used in that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

b. Pursuant to Regulation 401 KAR 59:015, Section 5(1)(c)2. and a PSD determination, no owner or operator of an affected facility shall cause to be discharged into the atmosphere from that affected facility, sulfur dioxide in excess of that specified below:

1. Emissions of sulfur dioxide from the boiler (Emission Point 46 (EP32)) shall not exceed 1.6 lbs/mmBTU.

2. Pursuant to PSD determination, the coal burned shall not exceed 1.0 % sulfur by weight, as stated in permit C-81-70, issued August 24, 1981.

Compliance Demonstration Method:

For the purpose of demonstration of continuing compliance, the following shall be followed:

a. Compliance with particulate emission limit shall be determined for each shipment as follows:

Particulate Emission Rate = [(Emission factor from most recent stack test in lbs of PM/ton of coal) / (Coal heating value for each shipment of coal received in mmBTU/ton)].

b. Compliance with sulfur dioxide limit shall be determined as follows:

Sulfur Dioxide emissions (tons/month) = Coal burned (tons/month) x mass fraction (mass sulfur/mass coal) x 2

Sulfur Dioxide emissions = [(Sulfur Dioxide emissions (tons/month) / monthly hours of operation) x 2000] x [Rated Capacity in (mmBtu/hr)]

c. In determining compliance with the opacity standards as listed above, the owner or operator shall use Method 9 and the procedures as described in 40 CFR 60.11.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations: (continued)

Compliance Demonstration Method (continued):

d. Pursuant to State Regulation 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation in accordance with the manufacture's specifications and/or standard operating procedures at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1. The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when the emission points are in operation but the associated control equipment is not.

3. Testing Requirements:

a. Pursuant to 401 KAR 61:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:

a. The permittee shall monitor the heating value, ash, and sulfur content of the coal by performing analysis on each shipment of coal received.

b. The permittee shall monitor the amount of fuel (coal) combusted on a weekly basis.

c. The permittee shall calculate the emissions of sulfur dioxide on a monthly basis.

d. The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a daily basis and maintain a log of the observations. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9 and an inspection shall be initiated of the control equipment for any and all necessary repairs.

e. See Section F, Condition 2.

401 KAR 51:017, Section 16(5)(c): For the boiler drum replacement project, the owner or operator shall:

1. Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that are emitted by any emissions unit identified in recordkeeping requirements below; and

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements (continued):

2. Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis for:

   a. Five (5) years following resumption of regular operations after the change: or

   b. Ten (10) years following resumption of regular operations after the change if the project increases the design capacity or potential to emit of the regulated NSR pollutant at the emissions unit.

3. The projected actual emissions were submitted as 590.187 tons/year. The records of annual emissions calculated as monthly rolling totals shall be less than this amount to avoid triggering PSD requirements in the future.

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain the records of the fuel (coal) analysis, including sulfur content information.

b. The permittee shall maintain the records of the amount of fuel (coal) combusted on a monthly basis.

c. The permittee shall maintain records of the monthly sulfur dioxide emissions and summarize them on a 12-month rolling average.

d. The permittee shall maintain records of the daily qualitative opacity readings from the stack.

e. The permittee shall maintain records of the opacity determined by Reference Method 9, when taken, and documentation of any repairs that were made due to any opacity reading which exceeded the standard.

f. See Section F, Conditions 1 and 2.

g. Pursuant to 401 KAR 51:017, Section 16(5)(a), the emissions increase of SO2 from the boiler drum replacement has a reasonable possibility of exceeding PSD significant level. The permittee shall keep the following records to show that the SO2 emissions will not exceed 40 tons/year of PSD significant levels from the boiler modification.

h. 401 KAR 51:017, Section 16(5)(b): Before beginning actual construction of the boiler drum replacement project, the owner or operator shall document and maintain a record of the following information:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

1. A description of the project;

2. Identification of the emissions units for which emissions of a regulated NSR pollutant could be affected by the project; and

3. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

   a. Baseline actual emissions;

   b. Projected actual emissions;

   c. Amount of emissions excluded in calculating projected actual emissions and an explanation for why that amount was excluded; and

   d. Any applicable netting calculations.

6. Specific Reporting Requirements:

a. See Section F, Conditions 5, 6, 7, 8, 9, and 10.

b. See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

ADDITIONS:

49 (-) Boiler (Nebraska)
Maximum Rated Capacity- 158 mmBTU/hr
Date of Installation: June 2008
Control Equipment: Flue Gas Recirculation/Low NOx Burner
Primary Fuel: Natural Gas
Secondary Fuel: N/A

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers applicable to an emission unit with a capacity less than 250 mmBtu/hour and commenced on or after April 9, 1972.

401 KAR 60:005, incorporating by reference 40 CFR 60 Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, applicable to an emission unit with a heat input capacity of greater than 100 mmBtu/hr and commences construction, modification, or reconstruction after June 19, 1984.

40 CFR 63 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters was vacated and remanded by U.S. Court of Appeals on July 30, 2007. The facility will be required to perform a case-by-case MACT analysis, if notified to do so.

1. Operating Limitations:

a. The usage rates of materials used in all affected facilities shall be limited so as not to exceed the emission limitations in Section B.2.

b. The permittee shall burn natural gas only as the fuel. See **Specific Recordkeeping Requirements** for compliance.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:015, Section 4 (1)(c), particulate emissions shall not exceed 0.29 lb/MMBtu based on a three hour average. The unit is considered in compliance with this particulate standard when burning natural gas.

b. Pursuant to 401 KAR 59:015 Section 4(2)(b), a maximum of forty (40) percent opacity shall be permissible for not more than six (6) consecutive minutes in any sixty (60) consecutive minutes during cleaning the fire box or blowing soot.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

c. Pursuant to 401 KAR 59:015, Section 4(2)(c), emissions from an indirect heat exchanger shall not exceed 20 percent opacity based on a six-minute average, except during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

d. Pursuant to 401 KAR 59:015 Section 5(1)(c), sulfur dioxide emissions shall not exceed 0.966 lb/MMBtu based on a 30 day rolling average. The unit is considered in compliance with this sulfur dioxide standard when burning natural gas.

e. Pursuant to 40 CFR 60.42b Sections (k)(1)and(2), on and after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts natural gas shall cause to be discharged into the atmosphere any gases that contain SO_2 in excess of 87 ng/J (0.20 lb/MMBtu) heat input or 8 percent (0.08) of the potential SO_2 emission rate (92 percent reduction) and 520 ng/J (1.2 lb/MMBtu) heat input. Units firing natural gas with a potential SO_2 emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO_2 emissions limit in paragraph 60.42b(k)(1).

f. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.44b (a)(1), on or after the date which the initial performance test is completed or is required to be completed under 40 CRF 60.8, whichever date comes first, no owner or operator of an affected facility shall cause to be discharged into the atmosphere any gases that contain nitrogen oxides in excess of 0.20 lb/MMBtu based on a thirty (30) day rolling average. The permittee may assure compliance with the nitrogen oxides emission standard by predicting emissions per the monitoring plan submitted to the Division per subsection 4. b. below.

g. See Section D.

Compliance Demonstration Method:

a. Compliance with the particulate matter and sulfur dioxide emissions (in lbs/mmBtu) shall be determined as follows:

$$\text{Emissions} = \frac{(\text{Total Monthly Fuel Usage}) \times (\text{Emission Factor from AP-42})^{*}}{(\text{Total Hours of Operation per Month}) \times (\text{Total Hourly Rated Capacity})}$$

* If an Emission Factor other than that taken from AP-42 is used, documentation on how that emission factor was derived must be submitted to the Division's Central Office for approval within 6 months of issuance of the proposed permit.

SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations: (Continued)

Compliance Demonstration Method: (Continued)

b. Natural gas usage will be expressed in $mmft^3$ combusted per month. To convert to an energy basis ($mmft^3$), multiply by the AP-42 emission factor in (lbs/ $mmft^3$)/monthly hours of operation.

c. Compliance with the opacity limits shall be determined as follows:

In determining initial compliance with the opacity standard as listed above, the owner or operator shall use, as directed by 401 KAR 59:015, Section 8, Reference Method 9 and the procedures as described in 40 CFR 60.11.

3. Testing Requirements:

a. Pursuant to State Regulations 401 KAR 50:055, General compliance requirements; 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing in accordance with EPA Method 5 or Method 17 for particulate matter using the Reference Methods specified in State Regulation 401 KAR 50:015 shall be conducted as required by the Division.

b. For the purpose of satisfying the initial compliance demonstration for sulfur dioxide emissions pursuant to 401 KAR 59:005 Section 2, the permittee shall submit a report within 60 days of achieving maximum load, but no later than 180 days after installation, containing the vendor fuel certifications for the fuel burned in the first thirty (30) days following achieving the maximum production rate, and the amount of fuel consumed.

c. Pursuant to State Regulations 401 KAR 50:055, General compliance requirements; 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in State Regulation 401 KAR 59:015, Section 8, shall be conducted as required by the Division. The Reference Methods used to determine compliance with the aforementioned emission standards are as follows:
   a. Reference Method 1 – Selection of sampling site and sample traverses
   b. Reference Method 3 – Gas analysis to be used when applying Methods 5, 6, and 7.
   c. Reference Method 5 – Concentration of particulate matter and associated moisture content.
   d. Reference Method 6 – Concentration of sulfur dioxide.
   e. Reference Method 9 – Visible Emissions.

SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements (continued):

For Reference Method 5:

a. Reference Method 1 shall be used to select the sampling site and number of traverse sampling points.
b. The sampling time for each run shall be at least sixty (60) minutes and the minimum sampling volume shall be 0.85 dscm [thirty (30) dscf].
c. The probe and filter holder heating systems in the sampling train shall be set to provide a gas temperature no greater than 160 degrees C (320 degrees F).

For Reference Method 6:

a. The sampling site shall be the same as that selected for Reference Method 5.
b. The sampling point in the duct shall be at the centroid of the cross section or at a point no closer to the walls than one (1) meter (3.28 ft).
c. The sample shall be extracted at a rate proportional to the gas velocity at the sampling port.
d. The minimum sampling time shall be twenty (20) minutes and the minimum sampling volume shall be 0.02 dscm (0.71 dscf) for each sample.

For Reference Method 6 (continued):

e. The arithmetic mean of two (2) samples shall constitute one run.
f. Samples shall be taken at approximately thirty (30) minute intervals.

d. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.8 and 401 KAR 59:005, Section 2, within 60 days of achieving maximum load, but no later than 180 days after installation, the permittee shall conduct an initial performance test for nitrogen oxides and particulate matter while combusting natural gas. The results of these performance stack tests shall additionally be used to verify the vendor certified emission factors. The tests shall be conducted using EPA Reference Method 5 and 7 or other Division approved testing procedures as appropriate.

4. Specific Monitoring Requirements:

See Section F, Condition 2.

a. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.45b (k), and 40 CFR 60.47b (f), units burning only oil that contains no more than 0.3 percent sulfur or liquid or gaseous fuels with a potential sulfur emission rates of 0.32 lb/MMBtu heat input or less shall maintain fuel supplier certifications of the sulfur content of the natural gas burned.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements (continued):

b. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.48b (g)(2) and 40 CFR 60.49b (c), the permittee shall monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted to and approved by the Division. This plan shall be submitted for approval within 360 days of the initial startup of the steam generating unit and shall include items specified in 40 CFR 60.49b (c).

5. Specific Recordkeeping Requirements:

a. The permittee shall record and maintain records of the amount of natural gas burned with the hours of operation on a weekly basis.

b. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.49b (g), the permittee shall maintain records of the calendar day and average hourly nitrogen oxides emission rates predicted; the calculated 30-day average nitrogen oxides emission rates; and identification of days and reasons for excess nitrogen oxide emissions and/or missing data; and corrective actions taken.

See Section F, Conditions 1 and 2.

6. Specific Reporting Requirements:

a. Pursuant to 410 KAR 60:005, incorporating by reference 40 CFR 60.49b (h), excess emissions for nitrogen oxide shall be reported.

See Section F, Conditions 5, 6, 7, 8, 9, and 10.
See Section G, Conditions (a) 4 and 5, and (f)1.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

48 (EP31, EP35) South Extraction Plant, North Extraction Plant
Maximum Rated Capacity- 45 tons/hour
Date of Installation: October 1996
Control Equipment: condensers/solvent recovery system/enclosed processes

APPLICABLE REGULATIONS:

40 CFR 63 Subpart GGGG – National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production
401 KAR 51:017, Prevention of significant deterioration of air quality.

1. Operating Limitations:

The usage rates of materials used in all affected facilities shall be limited so as not to exceed the emission limitations in Section B.2.

2. Emission Limitations:

a. Pursuant to 40 CFR 63 Subpart GGGG, the source is subject to a MACT standard for n-hexane emissions. The standard for this source is 0.2 gallons of Hexane per ton of oilseeds crushed. See **Specific Monitoring Requirements** and **Specific Recordkeeping Requirements**.

b. By Amended Agreed Order, the total source emissions of hexane shall not exceed 1092.90 tons/year during any 12 consecutive month period.

Compliance Demonstration Method:

See Section D.

The permittee shall adhere to the emission requirements required by 40 CFR 63.2840 and 40 CFR 63.2850. The emission requirements limit the number of gallons of Hexane lost per ton of listed oilseeds processed. For each operating month, the permittee must calculate a compliance ratio which compares the actual Hexane loss to the allowable Hexane loss for the previous 12 operating months as shown in Equation 1 of this section. An operating month, as defined in 40 CFR 63.2872, is any calendar month in which a source processes a listed oilseed, excluding any entire calendar month in which the source operated under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2). Equation 1 of this section follows:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations (continued):

Compliance Demonstration Method (continued):

$$\text{Compliance Ratio} = \frac{\text{Actual Hexane Loss}}{\text{Allowable Hexane Loss}} \quad \text{(Eq. 1)}$$

Equation 1 can also be expressed as a function of total solvent loss as shown in Equation 2 of this section as follows:

$$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{i=1}^{n} ((\text{Oilseed})_i * (\text{SLF})_i)} \quad \text{(Eq.2)}$$

Where:
F = The weighted average volume fraction of Hexane in solvent received during the previous 12 operating months, as determined in 40 CFR 63.2854, dimensionless.
0.64 = The average volume fraction of n-hexane in solvent in the baseline performance data, dimensionless.
Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months, as determined in 40 CFR 63.2853.
Oilseed = Tons of each oilseed type "i" processed during the previous 12 operating months, as shown in 40 CFR 63.2855.
SLF = The corresponding solvent loss factor (gal/ton) for oilseed "i" listed in Table 1 of 40 CFR 63.2840.

When calculating the compliance ratio use Equation 2 of this section and refer to paragraphs (b)(1) through (6) of 40 CFR 63.2834 (2)(b).

The source shall also record and maintain a record of n-hexane loss and tons of oilseeds crushed to determine if the MACT standard is being met.

3. Testing Requirements:

Compliance Demonstration Method:

Pursuant to 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in Regulation 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:

The permittee shall monitor and maintain records of the following parameters:

a. The permittee shall monitor and maintain records of the monthly usage rate of Hexane.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements (continued):

b. The permittee shall monitor and maintain records of the monthly usage rate of oilseeds.
c. The permittee shall monitor the monthly unloading of Hexane at the transfer terminal and any other source of Hexane delivered to the plant for use in the process.
d. The permittee shall monitor the weekly tank levels and loading of Hexane at the Hexane tank.
e. The monthly Hexane emissions (loss) calculations shall be based on purchased/loaded Hexane amounts every month and weekly tank levels. The permittee shall keep the estimated methodology of losses and the emission calculations available for the Division's inspection.
f. The permittee shall monitor and record the monthly oilseed tonnage processed during any consecutive 12 month period.
g. The permittee shall monitor the n-hexane content in each delivery of solvent received.
h. The source shall record and maintain a record of Hexane loss and tons of oilseeds crushed to determine if the MACT standard is being met.

5. Specific Recordkeeping Requirements:

Records shall be maintained of all the parameters which are listed in **Specific Monitoring Requirements**. The permittee shall compile monthly records of the total (process and fugitive) Hexane and VOC emissions at the facility.

All oilseed measurements must be determined on an as received basis, as defined in 40 CFR 63.2872. The as received basis refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing. By the end of each calendar month following an operating month, the source must determine the tons as received of each listed oilseed processed for the operating month. The total oilseed processed for an operating month includes the total of each oilseed processed during all normal operating periods that occur within the operating month. If the source has determined the tons of oilseed processed for 12 or more operating months, then they must also determine the 12 operating months rolling sum of each type oilseed processed by summing the tons of each type of oilseed processed by summing the tons of each type of oilseed processed for the previous 12 operating months. The 12 operating months rolling sum of each type of oilseed processed is used to calculate the compliance ratio as described in 40 CFR 63.2840. To determine the tons as received of each type of oilseed processed at the source, follow the procedures in your plan for demonstrating compliance to determine the items in paragraphs (a)(1) through (5) of section 40 CFR 63.2855. Use Equation 1 of this section to determine the quantity of each oilseed type processed at your affected source during normal operating periods recorded within a calendar month. Equation 1 is as follows:

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements (continued):

$$\text{Monthly Quantity Of each Oilseed Processed (tons)} = \sum_{n=1}^{n} (SEED_B - SEED_E + SEED_R \pm SEED_A) \quad \text{(Eq. 1)}$$

Where:
$SEED_B$ = Tons of oilseed in the inventory at the beginning of normal operating period "i" as determined in accordance with paragraph (a)(3) of this section.
$SEED_E$ = Tons of oilseed in the inventory at the end of normal operating period "i" as determined in accordance with paragraph (a)(3) of this section.
$SEED_R$ = Tons of oilseed received during normal operating period "i" as determined in accordance with paragraph (a)(4) of this section.
$SEED_A$ = Tons of oilseed added or removed from the oilseed inventory during normal operating period "i" as determined in accordance with paragraph (a)(5) of this section.
n = Number of normal operating periods in the calendar month during which this type oilseed was processed.

The quantity of each oilseed processed is the total tons of each type of listed oilseed processed during normal operating periods in the previous 12 operating months. You determine the tons of each oilseed processed by summing the monthly quantity of each oilseed processed for the previous 12 operating months. You must record the 12 operating months quantity of each type of oilseed processed by the end of each calendar month following an operating month. Use the 12 operating months quantity of each type of oilseed processed to determine the compliance ratio as described in § 63.2840. The quantity of oilseed processed does not include oilseed processed during the operating status periods in paragraphs (c)(1) through (4) of this section:

(1) Nonoperating periods as described in 40 CFR 63.2853 (a)(2)(ii).
(2) Initial startup periods as described in 40 CFR 63.2850(c) or (d)(2).
(3) Malfunction periods as described in 40 CFR 63.2850(e)(2).
(4) Exempt operation periods as described in 40 CFR 63.2853 (a)(2)(v).
(5) If any one of these four operating status periods span an entire calendar month, then the calendar month is treated as a nonoperating month and there is no compliance ratio determination.

Refer to 40 CFR 63 , Subpart GGGG, Section 40 CFR 63.2853.

The source shall keep a log of the monthly loss of Hexane in gallons and also keep a log of the monthly total of oilseeds crushed in tons.

6. Specific Reporting Requirements:

a. The permittee must submit all required reports in accordance with Sections F and G of the permit.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements (continued):

b. Reports shall include all records listed in **Specific Recordkeeping Requirements**.

c. The source shall submit the monthly Hexane emissions and use this to calculate the twelve month rolling total. The monthly Hexane emission reports shall be submitted with the sources semi-annual report.

Refer to 40 CFR 63, Subpart GGGG, section 40 CFR 63.2860, 40 CFR 63.2862, 40 CFR 63.2862, and 40 CFR 63.2863.

7. Specific Control Equipment Operating Conditions:

See Section E.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	Description	Generally Applicable Regulation
1.	Vegetable oil filter blower	401 KAR 59:010
2.	Lecith and degum vegetable oil	None
3.	Six vegetable oil and lecithin tanks	None
4.	Five cooling towers	None
5.	Sweeping (mechanical and manual)	401 KAR 63:010
6.	Parts washers (less than 15)	None
7.	Truck Sampling	401 KAR 63:010
8.	Pressurized storage vessels, including welding gas cylinders (KYDAQ Insignificant activity list item 1)	None
9.	Diesel tank (KYDAQ Insignificant activity list item 2)	None
10.	Gasoline tank (KYDAQ Insignificant activity list item 2)	None
11.	Laboratory fume hoods and vents (KYDAQ Insignificant activity list item 5)	None
12.	Machinery lubricants and waxes (KYDAQ Insignificant activity list item 10)	None
13.	Emergency generator less than 500 hp (KYDAQ Insignificant activity list item 25)	None
14.	Fire fighting water pump engine less than 500 hp (KYDAQ Insignificant activity list	None

item 25)

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. Particulate matter, sulfur dioxide, and nitrogen oxide emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. Pursuant to Amended Agreed Order, issued by this Division on March 26, 1998, emissions of n-hexane in any 12-month period shall not exceed 1,092.90 tons. The source shall report the n-hexane disappearance and oilseeds processed monthly and on a 12-month rolling total.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. . If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Owensboro Regional Office
3032 Alvey Park Drive W.,
Suite 700
Owensboro, KY 42303-2191

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
200 Fair Oaks Lane, 1st Floor
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
      (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
      (4) New requirements become applicable to a source subject to the Acid Rain Program.

      Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

   d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 7 and 8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

   e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-15-b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3) 2.].

l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3) 4.].

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3) 1.].

SECTION G - GENERAL PROVISIONS (CONTINUED)

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
   (1) Applicable requirements that are included and specifically identified in the permit and
   (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

3. Permit Revisions

a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, backup boiler (Nebraska) (Emission Point 56 (-)) in accordance with the terms and conditions of this permit.

a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
   (1) The date when construction commenced.
   (2) The date of start-up of the affected facilities listed in this permit.
   (3) The date when the maximum production rate specified in the permit application was achieved.

c. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

d. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. Testing must also be conducted in accordance with General Provisions G.5 of this permit.

f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. Testing Requirements

   a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

   b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

   c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

   a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

   b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.

7. Emergency Provisions

   Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
   (1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
(4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
(5) This requirement does not relieve the source of other local, state or federal notification requirements.

b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

8. Ozone Depleting Substances

a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
(1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
(2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
(3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
(4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
(5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
(6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

   a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

      RMP Reporting Center
      P.O. Box 1515
      Lanham-Seabrook, MD 20703-1515.

   b. If requested, submit additional relevant information to the Division or the U.S. EPA.